

ABSTRACT

A method of screening that enables development of a medicine realizing a novel mechanism of action capable of regulating of generation of an elastic fibrous tissue; and various means that are requisite for the method. In particular, there are provided a polypeptide obtained by cleaving of DANCE and a polynucleotide coding for the polypeptide; a method of cleaving DANCE; an antibody against the polypeptide obtained by cleaving of DANCE; a method of measuring the amount of DANCE cleavage and a kit therefore; a DANCE variant and polynucleotide coding for the same; various DANCE complexes and a method of preparing the same; a method of screening a substance capable of regulating the activity of DANCE or a DANCE-specific protease, and a substance obtained by the screening method; an agent for regulating of generation of an elastic fibrous tissue; a kit comprising at least DANCE and a polynucleotide coding for the same; etc.